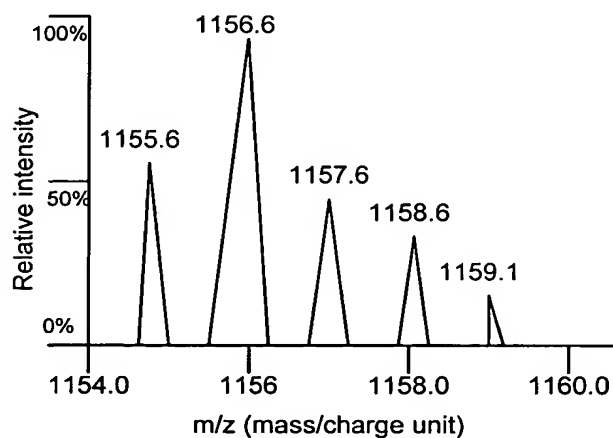



**FIG. 1A**

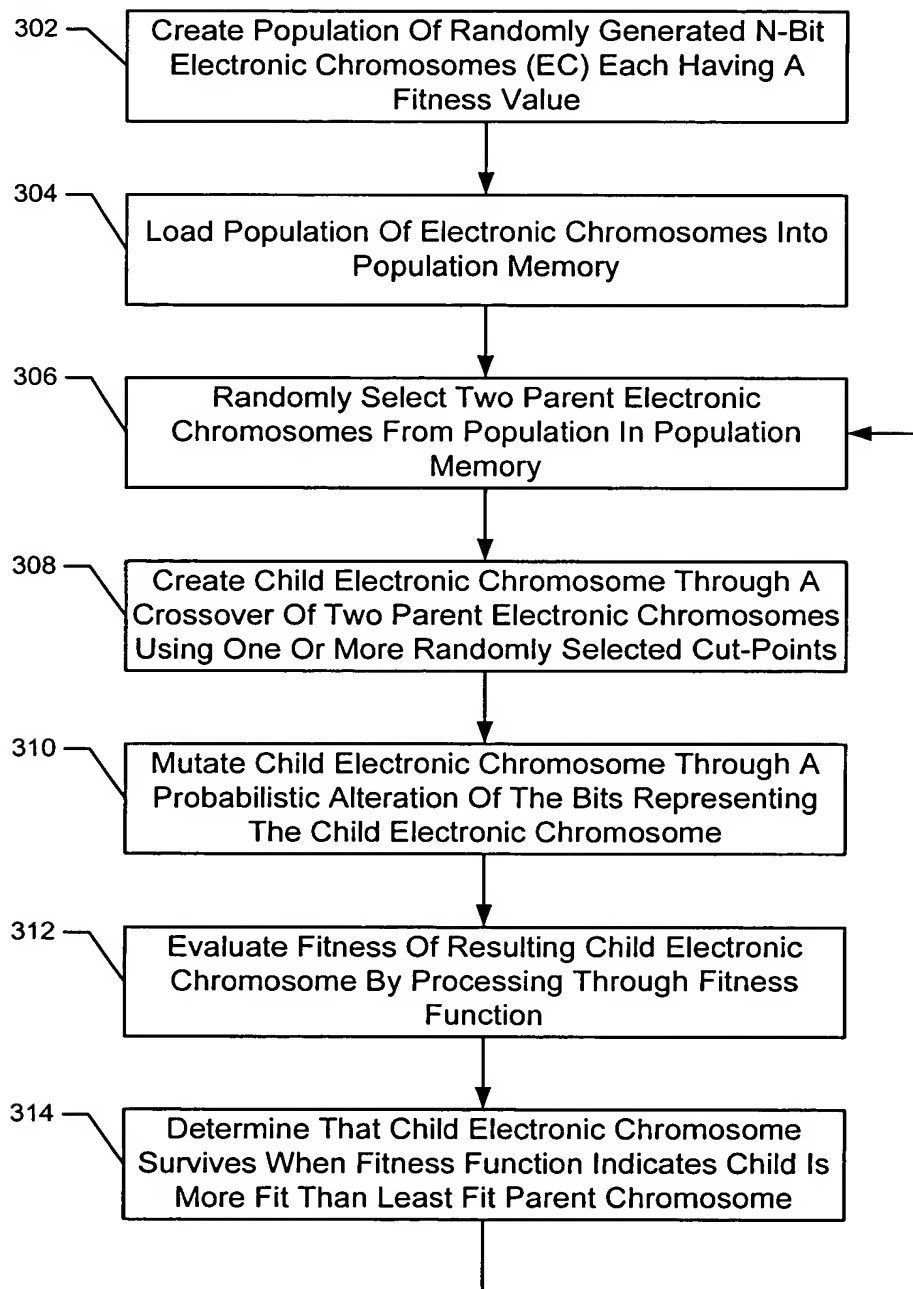


**FIG. 1B**

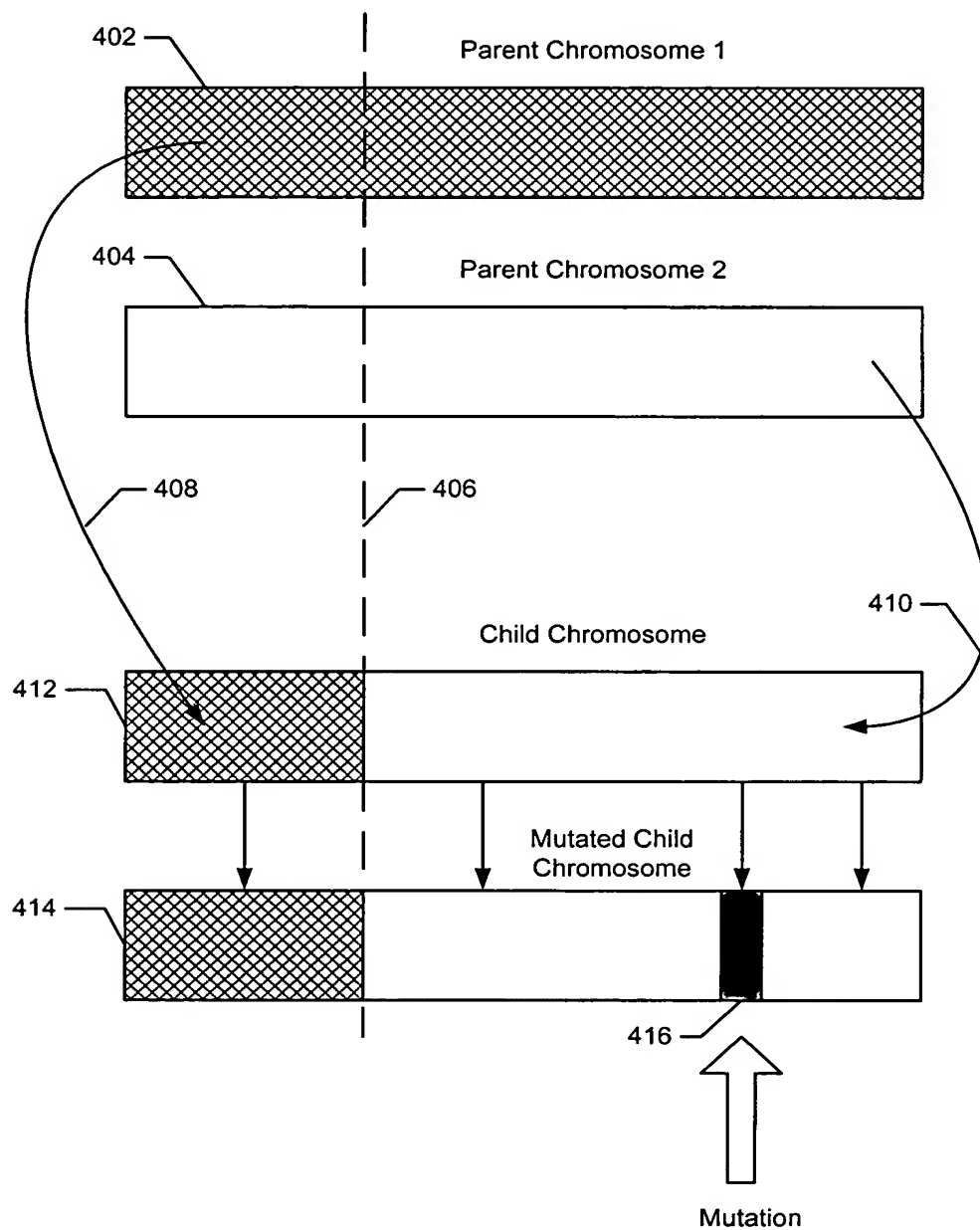
202 

Binary Address	Hamming Distance to Next Heavier	Amino Acid Element	Abbreviation	Atomic Weight
00000	1	Gly	G	57.021464
00001	2	Ala	A	71.037114
00010	1	Ser	S	87.032029
00011	3	Pro	P	97.052764
00100	2	Val	V	99.068414
00101	2	Thr	T	101.047679
00110	1	Cys	C	103.009186
00111	4	Ile	I	113.084064
01000	1	Leu	L	113.084064
01001	2	Asn	N	114.042928
01010	1	Asp	D	115.026944
01011	3	Gln	Q	128.058578
01100	1	Glu	E	129.042594
01101	2	Met	M	131.040486
01110	1	His	H	137.058912
01111	5	Phe	F	147.068414
10000	1	Arg	R	156.101111
10001	2	Tyr	Y	163.063329
10010	1	Trp	W	186.079313
10011	0	Lys	K	325.042588

**FIG. 2**



**FIG. 3**



**FIG. 4**

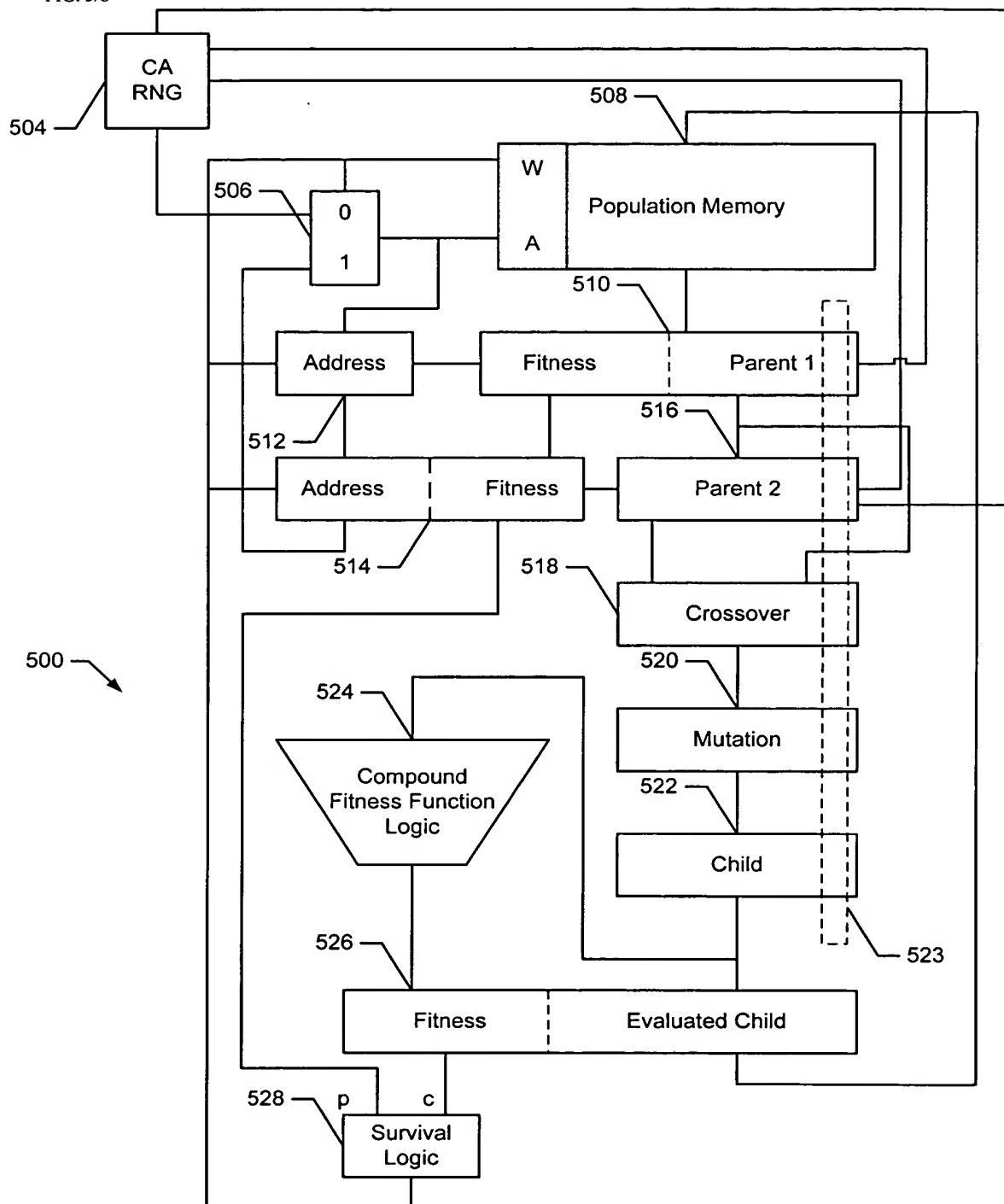
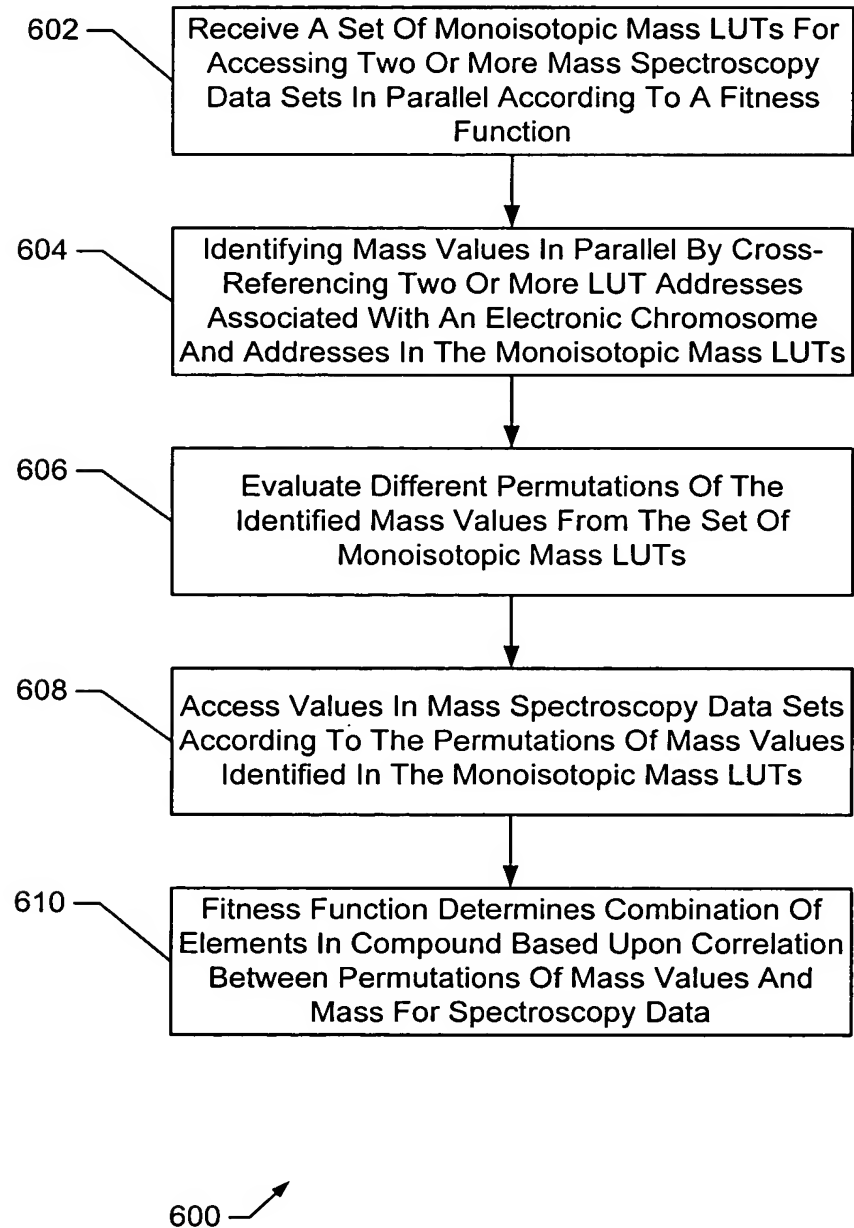


FIG. 5



**FIG. 6**

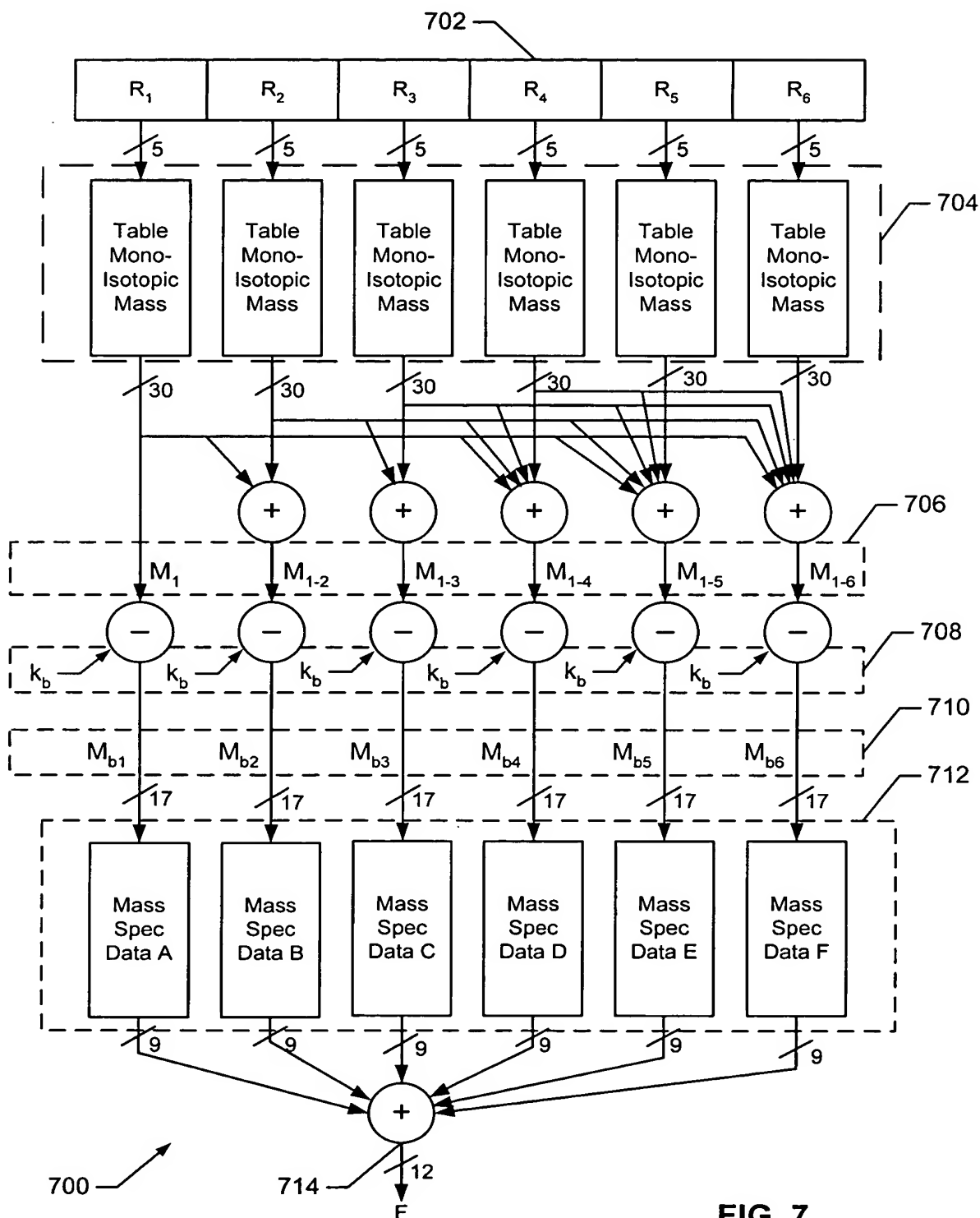


FIG. 7

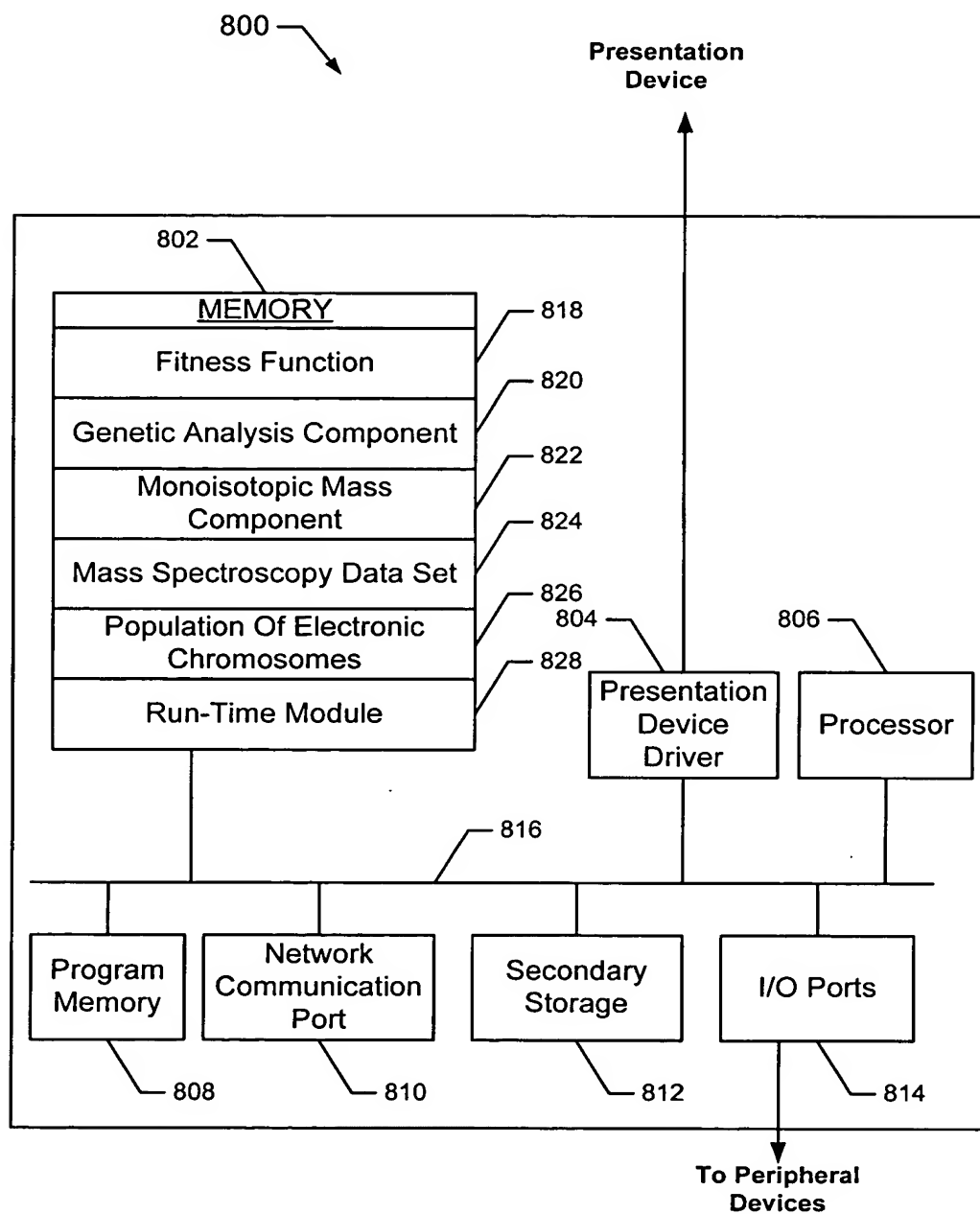


FIG. 8